

MADHUMITHA GOVINDARAJAN

QA AUTOMATION ENGINEER | JAVA | SELENIUM

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SUMMARY

QA Automation Engineer with 4 years of experience in web application testing, automation scripting using Selenium and Java, and API testing. Proven ability to enhance test coverage, improve automation efficiency, and reduce manual effort. Experienced in test execution using Jenkins and data validation with MySQL. Familiar with Agile/Scrum environments, and passionate about collaborating with cross-functional teams to deliver high-quality, reliable applications within deadlines.

TECHNICAL SKILLS

- Programming Languages: **Java**
- Automation Tools: **Selenium**
- Frameworks: **TestNG, Cucumber**
- Methodologies: **Agile, Waterfall**
- API Testing: **SoapUI, Postman, Insomnia**
- Database: **MySQL**
- Version Control & CI/CD: **GitHub, Jenkins**
- Test Management Tools: **Rally, Jira**

PROFESSIONAL EXPERIENCE

Software QA II, Apptium Technologies

Aug 2025 - Present

- Executed backend API test cases using Insomnia and SoapUI for a broadband and digital services application to check request and response accuracy.
- Used data-driven testing and assertions to validate service workflows.
- Reported bugs and worked with developers to fix issues.
- Participated in bi-weekly sprint cycles, providing status updates and submitting progress reports in daily meetings.
- Worked as an individual contributor, managing test planning and execution.
- Prepared detailed test reports and maintained traceability for full test coverage.

Programmer Analyst, Cognizant Technology Solutions

Oct 2021 - Aug 2025

- Designed and executed 500+ test cases per release using manual and automation methods.
- Performed functional, ad-hoc, and regression testing for an insurance web application, verifying 90% of critical features on time.
- Automated web test cases with Selenium and Java, reducing manual effort by 30% and regression time by 40%.
- Mentored a team of 5 QA automation professionals and trained QA trainees on framework design and GitHub workflows.
- Achieved 80% first-time pass rate by running Jenkins pipeline tests and updating fixes in GitHub.
- Enhanced application reliability by identifying and addressing 100+ critical defects before production release.
- Collaborated with developers and Business Analysts to implement test plans and strategies.
- Worked with MySQL queries for data extraction and database validation.

PROJECTS

Web Application Test Automation and Cross-Browser Testing

- Built and maintained test automation framework using Selenium and Java.
- Applied Page Object Model (POM) for better code reusability.
- Developed 150+ test cases for both regression and functional testing - speeding up release cycles.
- Conducted thorough testing across Chrome, Firefox, and Edge to ensure browser compatibility.
- Identified 50+ UI bugs and ensured feature stability on various devices and web browsers.

EDUCATION

MA, Psychology

Indira Gandhi National Open University

2022 - 2024

BSc, Actuarial Mathematical Science

Bishop Heber College, Trichy

2018 - 2021

ADDITIONAL INFORMATION

- **Certifications:** Java (Basic) Certification and SQL (Basic) Certification from HackerRank
- **Languages:** Tamil, English, Hindi, Sanskrit